EXHIBIT H

DATA DICTIONARY AND FORMAT
FOR DATA DELIVERABLES IN
COMPUTER-READABLE FORMAT

Exhibit H - Data Dictionary and Format for Data Deliverables
in Computer-Readable Format

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1.0 ELECTRONIC DELIVERABLE FOR CHLORINATED DIBENZO-P-DIOXIN/DIBENZOFURAN (CDD/CDF)AND CHLORINATED BIPHENYL (CB) CONGENER ANALYSIS

1.1 Requirements

The Contractor shall submit a diskette for CDD/CDF and CB Congener analysis.

1.1.1 The Analytical Services Branch is currently developing a data delivery strategy that may be used as an alternate to the requirements stated in Exhibit H. The Superfund Electronic Data Deliverable (SEDD) system is an Extensible Markup Language (XML)-based delivery system. Additional information on the SEDD system may be obtained from the following Web site at:

http://www.epa.gov/superfund/programs/clp/sedd.htm

This deliverable format may be required under specific task orders.

1.1.2 The file described below shall be submitted on IBM-compatible, 3.5 inch, high density 1.44 MB diskettes. The diskettes shall be formatted and recorded using DOS/Windows Operating Systems. The diskettes shall include all information relevant to one, and only one, Sample Delivery Group (SDG). Multiple diskettes may be submitted. The data from a single production run may be split onto multiple diskettes, however, do not split the data from a sample analysis onto multiple diskettes. Each diskette shall be identified with an external label containing the following information: disk density; Lab Code; contract number; Case number; SDG number; Task Order number; initial submission or resubmission, as applicable, and date.

1.1.3 The deliverable consists of a tab delimited text file containing the data elements listed in Section 1.2. The file must contain the fields in the order specified in Section 1.2 and the field names exactly as specified in Section 1.2. For specific field contents, and requirements for significant figures and number of decimal places, refer to Exhibit B of this Statement of Work (SOW). Information on the diskette must correspond to information submitted in the hardcopy raw data package and on the hardcopy raw data package forms. If the information submitted in the hardcopy data package forms is changed, the information in the electronic file (e.g., diskette) shall be changed accordingly, and a complete electronic deliverable containing all the information for the SDG shall be resubmitted along with the hardcopy at no additional cost to the Government. Report results for field samples, Performance Evaluation (PE) samples, method blanks, and Laboratory Control Samples (LCSs).

1.2 Required Fields

Field Name	**Data type**	**Format**	**Description**
Labname	Character string	Max length 25	Ex. B
Labcode	Character string	Max length 6	Ex. B
Contract	Character string	Max length 11	Ex. B
Case Number	Character string	Max length 5	Ex. B
SDG Number	Character string	Max length 20	Ex. B

Field Name	**Data type**	**Format**	**Description**
T.O. Number	Character string	Max length 11	Ex. B
GC Column Identifier	Character string	Max length 12	GC Column (Ex. B)
GC Column Internal Diameter	Numeric	Max length 4	Ex. B (report in mm)
Designated sample Number	Character string	Max length 20	The designated Sample Number per Ex. B.
Lab Sample ID	Character string	Max length 14	Ex. B
Lab File ID	Character string	Max length 14	Ex. B
Matrix	Character string	WATER, SOIL, TISSUE, OIL, ASH	The predominant material of which the sample is composed.
Date Received	Character string	YYYYMMDD	Laboratory Receipt Date. The date the sample was received at the laboratory.
Date Extracted	Character string	YYYYMMDD	The date sample extraction was begun.
Date Analyzed	Character string	YYYYMMDD	The date the sample was injected into the High Resolution Gas Chromatograph/High Resolution Mass Spectrometer (HRGC/HRMS).
Time Analyzed	Character string	HHMM	The time the sample was injected into the HRGC/HRMS.
Sample Weight/Volume	Numeric	Max length 6	Ex. D
Final Volume	Numeric	Max length 10	Concentrated extract volume.
Injection Volume	Numeric	Max length 10	Ex. B
Percent Solids/Lipids	Numeric	Max length 7	Ex. B
Dilution Factor	Numeric	Max length 10	Ex. B
CAS Number	Character string	Ex. C	The analyte being determined in an analysis.

Field Name	**Data type**	**Format**	**Description**
Concentration	Numeric	Max length 13	Enter the value as it appears on the appropriate Form.
Concentration Units	Character string	PG/L, NG/KG	Ex. B
Concentration Qualifier	Character string	Max length 5	Concentration qualifier from Form I-CDD/CDF and Form I-CB.
EMPC	Numeric	Max length 13	Estimated Maximum Possible Concentration. Enter the value as it appears on the appropriate Form
Estimated Detection Limit	Numeric	Per Ex.B Form I-CDD/CDF	Ex. D
Amount Added	Numeric	Per Ex. B	For Laboratory Control Samples (LCSs).
Percent Recovery	Numeric	Per Ex. B	For LCS

1.2.1 Except for the Date Analyzed, Date Extracted, and Date Received fields, all fields should contain data exactly identical to that reported on the data forms for the package.